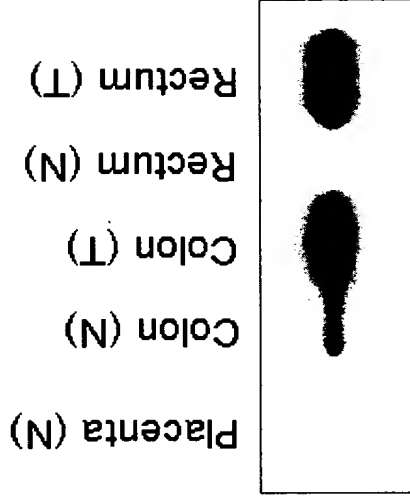


EXHIBIT A

Characterization of human Colon Specific Protein expression in tumor versus normal tissues

An affinity purified rabbit polyclonal anti-Human Colon Specific Protein antiserum was used to probe a blot containing total protein isolated from human tumor tissue and matched normal tissues.



Human Colon Specific Protein is overexpressed in colon and rectal tumor. A human tissue protein blot was purchased from BioCat GmbH (Cat#W1235417)(Heidelberg, Germany). Each lane contains 50 µg total protein extract from human tumor and matched normal tissues as indicated. Western blotting (*i.e.*, immunoblotting) was performed with affinity purified polyclonal rabbit anti-Human Colon Specific Protein serum (a.k.a., anti-hRegIV serum).

Western blotting with rabbit anti-Human Colon Specific Protein serum revealed a single discrete band at a molecular weight of ~14kd, identical to that observed with recombinant Human Colon Specific Protein (a.k.a., hREGIV). The intensity of the Human Colon Specific Protein signal is significantly higher in colon and rectal tumor tissue than in the corresponding normal tissues.